



STANFORD RESEARCH INSTITUTE
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April 18, 1977

SRI Proposal ERC 77-114

Shook, Hardy, and Bacon
Attention: Mr. Donald K. Hoel
Twentieth Floor, Mercantile Bank Tower
1101 Walnut
Kansas City, Missouri 64106

Reference: Letter Proposal of January 13, 1977

Dear Mr. Hoel:

In response to our telephone conversations of April 8, 1977 and your letter of March 17, 1977, the Institute wishes to make the following revisions to Section III, "Tasks Still to be Performed," and Section IV, "Additional Field Tests," in our report and proposal dated January 13, 1977.

We will complete the first sampling system. This will consist of:

- Modifying the existing suitcase to incorporate the nicotine sampling head now contained in the ancillary aluminum sampling case.
- Preparing and submitting ten copies of the final report.
- Preparing the paper for publication after the final report has been prepared.
- Performing two additional field tests of the sampling system under realistic operating conditions.
- Modifying the total suspended particulate (TSP) sampler system to reduce the noise level as much as is practical within the available funds.

Since the second sampling system called for in the original proposal will not be built, the carbon monoxide analyzer purchased for this second system will be returned to the manufacturer for a credit to the project of \$2,900.

The \$15,000 requested in the January 13, 1977, proposal plus this \$2,900 will make a total of \$17,900 available to complete the tasks

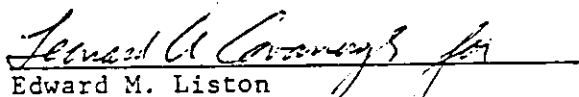
described above. Thus the project will be completed with expenditures not to exceed \$17,900.

However, the completion of the project on this basis must include the following limitations:


- Requested revisions for modifications to the final report or the paper for publication that require more than one man-day each will constitute additional work and will not be undertaken without your approval.
- Attempts to reduce the noise in the TSP sampling system is an indeterminate research task. Therefore, this task will be pursued on the best-effort-basis within the limitations of the funds remaining after the main suitcase system has been completed, the final report has been drafted, the two additional field tests have been performed, and funds have been set aside for the publication of the final report and for the preparation of the paper for publication. It must be stressed that there will always be some noise from the blower and from the air movement at the flow rates required to obtain the particulate samples. Therefore there will always be quiet locations where even the modified TSP system may be unacceptably noisy.


The provisions of our January 13, 1977 proposal and these revisions will remain in effect until June 15, 1977. If you require additional time for consideration of this proposal, SRI will be glad to consider a request for an extension.

Sincerely yours,


Edward M. Liston
Senior Chemical Engineer
Atmospheric Sciences Laboratory

Approved by:


R.T.H. Collis, Director
Atmospheric Sciences Laboratory


Ray L. Leadabrand, Executive Director
Electronics and Radio Sciences Division